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July 6, "The Seals of the Pribiloff Islands," by Professor G. H. Parker.

July 9, "Some Experimental Studies on the Development of the Membranous Labyrinth in the Tadpole," by Professor G. L. Streeter.

July 13, "Effects of Centrifugal Force on the Structure and Development of the Egg," by Professor E. G. Conklin.

July 16, "The Nature of Intelligent and Purposive Action from a Physiological Point of View," by Professor R. S. Lillie.

July 19, "The Control of Infection as Affected by Variation among Parasitic Microorganisms," by Professor Simon Flexner.

July 24, "Protozoa and the Cancer Problem," by Professor G. N. Calkins.

July 30, "Inheritance of Sex in *Lychnis*," by Professor George Shull.

August 3, "Heredity of Criminality," by Professor C. B. Davenport.

August 6, "The Story of Bubonic Plague," by Dr. Martin Edwards.

August 10, "The Rôle of Adsorption in Nerve Conduction," by Dr. Alfred G. Mayer.

SCIENTIFIC NOTES AND NEWS

AT the request of President Wilson the National Academy of Sciences has appointed the following to investigate and report on the control of the Panama slides: President C. R. Van Hise, University of Wisconsin, chairman; General H. L. Abbott, Cambridge, Mass.; Dr. George F. Becker, United States Geological Survey; Professor J. C. Branner, Stanford University; Dr. Whitman Cross, United States Geological Survey; Dr. Arthur L. Day, Carnegie Institution; Dr. J. L. Hayford, Northwestern University; Professor Harry Fielding Reid, Johns Hopkins University; Dr. R. S. Woodward, Carnegie Institution; C. Carpenter, Ithaca, N. Y.; August P. Davis, United States Reclamation Service; John R. Freeman, Providence, R. I.

PROFESSOR WILLIAM B. SCOTT, of Princeton, and Professor A. A. Michelson, of Chicago, have been appointed representatives from the American Philosophical Society to the Second Pan-American Congress meeting in Washington, December 27 to January 8.

DR. ROBERT BARANY, of the University of Vienna, who has been awarded the Nobel prize

in medicine for his work on the diseases of the ear, is at present a prisoner of war in Siberia, having been serving as a surgeon at Przemysl when it was taken by the Russians.

DR. R. W. WOOD, professor of physics at Johns Hopkins University, has returned to Baltimore from the Mount Wilson Observatory, where he has been engaged in photographing the moon, Saturn and Jupiter by yellow light and ultra violet and infra red rays.

AT a recent meeting of the executive committee of the American Museum of Natural History, New York, the new position of research associate was created on the scientific staff of the institution. Dr. C. R. Eastman was appointed research associate in vertebrate paleontology, and Mr. M. C. D. Crawford, research associate in textiles.

PROFESSOR OTTO BASCHIN, of Berlin, has received from the Royal Prussian Academy of Sciences the silver Leibnitz medal in recognition of his services to geography.

AT the annual meeting of the Royal Faculty of Physicians and Surgeons of Glasgow, Dr. Ebenezer Duncan was elected president, and the retiring president, Dr. John Barlow, a councillor.

MR. E. D. MERRILL, who has been spending several months in Washington, D. C., returns to Manila in December to resume his duties as botanist at the Bureau of Science and professor of botany in the University of the Philippines.

THE annual meeting of the Southern Medical Association was held at Dallas, Texas, on November 9, 10 and 11. The principal address was delivered by Dr. Rupert Blue, surgeon-general of the United States Public Health Service, on "Sanitary Preparedness." Other addresses were given by Dr. W. L. Rodman, president of the American Medical Association, and Dr. Isador Dyer, of New Orleans.

ON November 23 Dr. R. P. Strong, professor of tropical medicine at Harvard University, gave a public lecture on his experiences as head of the physicians who went to Serbia to combat the epidemic of typhus fever.

The lecture was given for the benefit of the social service department of the Massachusetts General Hospital.

DR. J. G. NEEDHAM, of Cornell University, delivered two addresses at the University of Kansas, in the third week of November: one before the Entomological Club of the University on the "Ecology of Certain Aquatic Larvæ," and the other before the students of the university on the "Common Ground of Poet and Naturalist."

PROFESSOR D. W. JOHNSON, of Columbia University, addressed the Yale chapter of Sigma Xi at New Haven on November 18, on the "Surface Features of Europe as a Factor in the War."

SINCE Mr. Donald B. Macmillan has not returned from the Arctic in time to present to the members this fall an account of the Crocker Land expedition which he led north in 1913, arrangements have been made to show to members of the museum on the evening of December 9 the motion pictures secured by Sir Douglas Mawson on the Australasian-Antarctic expedition. A brief account of the expedition and a description of the action of the films, will be given by Mr. George H. Sherwood, curator of education at the American Museum of Natural History.

THE Swiney lectures on geology are being delivered this year by Dr. J. D. Falconer, the subject being "Ice and the Ice Age." The courses are given at the Victoria and Albert Museum, London.

AT the age of eighty-five years Sir Allen William Young, the Arctic explorer, died in London, on November 27.

PROFESSOR JAMES MCCALL, principal of the Glasgow Veterinary College, died on November 1, at the age of eighty-one years.

LIEUT. GORDON SANDERSON, known for his work on the Archeological Survey of India, was killed in France on October 13.

MR. DONALD EWEN, known for his work in metallurgy, has been killed in the war. *Nature* states that he was serving at the time as a private in the London Scottish Regiment, but an order had been issued for his recall, to take

up important work at the National Physical Laboratory.

DR. GASTON VASSEUR, professor of geology in the University of Marseilles, has died at the age of sixty years.

PROFESSOR SKLAREK, for many years editor of the *Naturwissenschaftliche Rundschau*, died in Berlin, on October 10, at the age of eighty years.

THE annual sessions of the Federation of American Societies for Experimental Biology, formed by the Physiological Society, the Biochemical Society, the Pharmacological Society and the Society for Experimental Pathology, will be held at the Harvard Medical School in Boston on December 27, 28 and 29.

THE following program has been arranged for the meeting of the Sigma Xi to be held in connection with the meeting of the American Association for the Advancement of Science at Columbus: Tuesday, December 28, at 12 o'clock, meeting of the executive committee at lunch at the Ohio Union. At 4 o'clock at Page Hall, annual convention. At 6:30 at Ohio Union, annual dinner.

IN connection with the Congress of Clinical Surgeons, meeting in Washington, November 26-27, an interesting exhibit of books and pictures illustrating the history of surgery has been prepared by Dr. Arnold C. Klebs at the invitation of Colonel C. C. McCulloch, librarian of the Surgeon General's Office, and may now be seen in the library hall of the Army Medical Museum.

ADELPHI COLLEGE, Brooklyn, New York, has just been the recipient of an outfit for instruction in astronomy from a friend whose name is withheld. It consists of a telescope of six and a half inches aperture, with driving clock and twelve inches declination and right ascension circles, a six-prism spectroscope which was made to order by Browning, a small transit by Steger of Kiel, and other accessory apparatus. The telescope was made by Alvan Clark, in 1877, ten years before his death, and is considered an excellent instrument. The apparatus is in perfect condition, having had the best of care by its former owner.

AMONG additions to the American Museum of Natural History is a model showing the increased efficiency of the present hospital service at Panama over that of the French period. This model shows a hospital in the French period in care of a Sister of Mercy. Puddles of water were allowed to gather about the ground, and the legs of the beds were placed in cans of water to prevent ants from crawling up. As we now know, yellow fever and malarial fever mosquitoes bred in such accumulations of stagnant water and helped to keep the hospitals well filled. Screens were not used and the ventilation was not of the best. The companion part of the model shows a French hospital, altered to conform to our most modern ideas and knowledge of the relation of insect and disease. A clean, dry cellar, well-kept grounds, screens, increased ventilation and the care of trained nurses serve to change an insanitary, disease-breeding building into the acme of sanitation.

THE Cornell University Medical College has recently reorganized its surgical service at Bellevue Hospital. At the head of the service there is now one "visiting surgeon in charge" with a continuous service. He has general supervision over the entire work and is responsible only to the college and the hospital for its proper performance. There are two visiting surgeons who also have a continuous service limited to some special subdivision of general surgery. They are thus relieved of all routine work in order to devote their time to the particular work with which they are occupied. Under the visiting surgeon in charge are two associate visiting surgeons. These men are on the full time salaried basis, and each has the care of one half of the service. They have as assistants four juniors who are also surgeons to the out-patient department. The organization now also includes a laboratory of surgical pathology and a laboratory of experimental surgery, each under a full-time salaried man. These laboratories are available to all members of the staff, who there have the privilege of working on their individual problems. The entire staff has been appointed to positions in the department of surgery in the

Medical College, and all students take a portion of their surgical ward work under this organization. The essential changes from the former system consist in having one head, continuous service, full-time salaried surgeons and laboratories under the immediate jurisdiction of the surgical service. Following is the staff as at present constituted: John A. Hartwell, M.D., assistant professor of surgery, visiting surgeon in charge; George Woolsey, M.D., professor of clinical surgery, visiting surgeon; John Rogers, M.D., professor of clinical surgery, visiting surgeon; Kenneth Bulkley, M.D., instructor in clinical surgery, associate surgeon; James Worcester, M.D., instructor in clinical surgery, associate surgeon; Fenwick Beekman, M.D., instructor in operative surgery, junior surgeon; Benjamin Vance, M.D., instructor in pathology, surgical pathologist; J. W. McMeans, M.D., assistant in surgery, assistant in experimental surgery.

UNIVERSITY AND EDUCATIONAL NEWS

OBJECTIONS have been filed to the probating of the will of Amos F. Eno who bequeathed a large sum to public purposes and made Columbia University his residuary legatee. It is said that under the will Columbia University would receive \$3,000,000 or more.

A BEQUEST of \$50,000 has been made to Cornell University by Mrs. Sarah Manning Sage to promote the advancement of medical science by the prosecution of research at Ithaca.

PROFESSOR H. L. BOWMAN, Waynflete professor of mineralogy at Oxford, reports, according to *Nature*, two gifts to his department. (1) Under the will of the late Sir Arthur Church has been bequeathed £100 for the purchase of apparatus and specimens, together with the chemical and mineralogical apparatus and instruments in Sir Arthur's laboratory and his collection of mineral specimens (other than cut gem-stones). (2) A collection of minerals made by the late Dr. Hugo Müller, containing some 2,000 specimens, has been presented by Mrs. Müller.

DR. ERNEST FOX NICHOLS has resigned the presidency of Dartmouth College and will go to Yale University next year to fill a new chair